IN THE CLAIMS

1. (currently amended) A catalyzer for clean <u>non-woody</u> pulping, characterized in that the wt % composition of said catalyzer includes comprising:

5 wt% - 9 wt% of sodium salicylate[[: 5% - 9%]];

2 wt% - 5 wt% of anion silicic acid silicate softener[[: 2%-5%]];

3 wt% - 7 wt% of cooking aids[[:3% - 7%]];

2.1 wt% - 3.7 wt% of liquid chlorine or gaseous chlorine[[:2.1%-3.7%]]; and

the remaining: balance of water;

wherein said cooking aids includes:

hydrone volatile: 0.01 wt% - 5 wt% of ethanol and/or ether[[: 0.01-5%]];

free quinone: 0.25 wt% - 35 wt% of concentrated sulfuric acid and/or carbon tetrachloride[[: 0.25-35%]];

active matter: 0.15 wt% - 30 wt% of basic Na₂SO₃[[: 0.15-30%]]; and the remaining: balance of water.

- 2. (currently amended) The catalyzer for clean <u>non-woody</u> pulping according to claim 1, <u>characterized in that wherein</u> said cooking aids is <u>prepared by forming a the solution which is the mixture of the emulsion thereof</u> with a the concentration of 3% and, then mixing the emulsion <u>with pure</u> water, wherein said emulsion is formed of the raw material of cooking aids.
- 3. (currently amended) A process for using the catalyzer for clean <u>non-woody</u> pulping according to claim 1, characterized in that all kinds of herbs are used as the raw material and <u>comprising</u> the following steps are included:
- a) cutting and impurities removing[[:]];

wherein the a raw material is cut into pieces with the length of between 10mm and 15mm, the removal rate of remaining fringe, kernel as well as dust is above 95%;

b) feed preparation and impurities removing[[:]];

wherein the raw material is soaked in the catalyzer to prepare for 10-14 hours, the dry weight of the raw material is 3-8% of the weight of the catalyzer weight, the deposition and impurities removing are proceeded through a deposition channel provided at the bottom of the bath for the feed preparation and impurities removing;

c) dividing into fibers by refining[[:]];

wherein the raw material is divided into fibers through a the refining disc so that it is changed to rough fiber bundle;

d) catalysis copolymerization[[:]];

wherein the a pulp obtained from the above steps enters into a catalysis tower to perform catalysis copolymerization reaction for 10-14 hours at the normal ambient temperature and pressure;

e) refining:

wherein the pulp is grounded into the required a papermaking stock through a refiner; f) concentration and separation[[:]];

wherein the pulp and the catalyzer are separated by a thickener, the papermaking stock with different concentration may be is separated according to the requests requirements, while the residual liquor of the catalyzer is recovered;

g) pulp bleaching[[:]];

wherein the bleaching is proceeded by eonventional a bleaching equipment to obtain a bleached pulp;

h) pulp washing[[:]]; and

wherein the bleached pulp is washed in the conventional a pulp washing vessel, then the a finished pulp is obtained.

- 4. (currently amended) The process for using the catalyzer for clean <u>non-woody</u> pulping according to claim 3, characterized in that a submerged mesh is arranged on the bath for the feed preparation and impurities removing.
- 5. (currently amended) The process for using the catalyzer for clean <u>non-woody</u> pulping according to claim 3, characterized in that calcium hypochlorite is used for bleaching liquor, and the <u>a</u> supplying port of chlorine gas is added at the <u>a</u> recycle entrance of <u>a</u> fan pump, through which the chlorine gas is added intermittently during the bleaching to increase the available chlorine in the whole bleaching liquor so that the available content of bleaching liquor ear remains constant during the whole bleaching process.
- 6. (currently amended) The process for using the catalyzer for clean pulping according to claim 3, characterized in that said <u>raw material</u> <u>herbs include</u> <u>is selected from the group consisting of wheat straw, rice straw, straw stem, corn stalk, cotton straw or reed.</u>
 - 7. (new) A catalyzer for clean non-woody pulping comprising:

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5 wt% - 9 wt% of sodium salicylate;

2 wt% - 5 wt% of anion silicate softener;

3 wt% - 7 wt% of cooking aids;

2.1 wt% - 3.7 wt% of chlorine; and

balance of water;

wherein said cooking aids includes:

0.01 wt% - 5 wt% of ethanol and/or ether;

0.25 wt% - 35 wt% carbon tetrachloride;

0.15 wt% - 30 wt% of basic Na₂SO₃; and

balance of water.